



Association of American  
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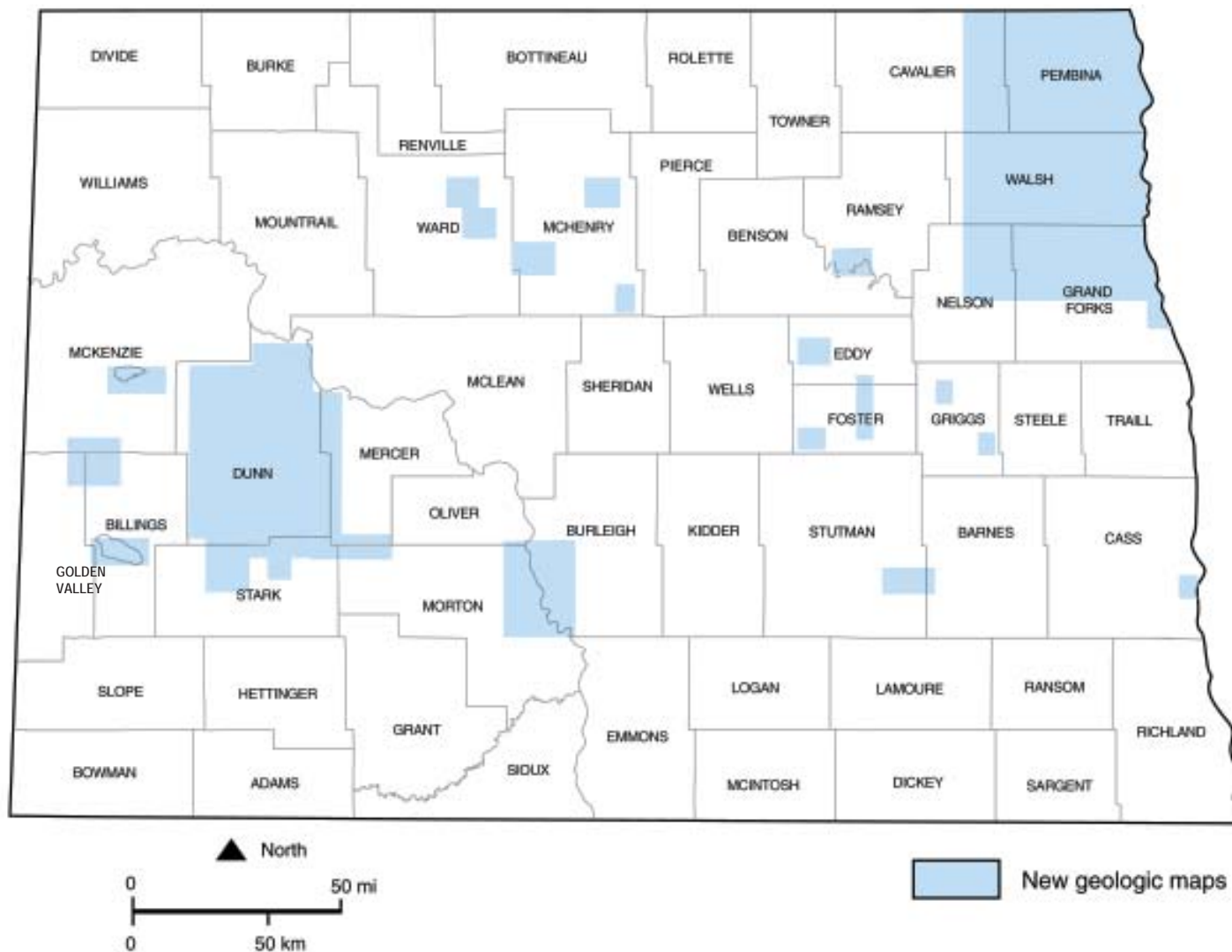
United States  
Geological Survey



# National Cooperative Geologic Mapping Program

STATEMAP Component: States compete for federal matching funds for geologic mapping

## NORTH DAKOTA



### Contact information

#### North Dakota Geological Survey

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#### U.S.G.S. Geologic Mapping Program Office

Program Coordinator: Randall C. Orndorff (703/648-6943)  
<http://ncgmp.usgs.gov/>

# SUMMARY OF STATEMAP GEOLOGIC MAPPING PROGRAM IN NORTH DAKOTA

Federal Fiscal Year	Project Title	Federal Dollars	State Dollars	Total Project Dollars
93	Jamestown Area	\$18,049	\$18,049	\$36,098
94	Dickinson Area	23,040	23,517	46,557
95	Theodore Roosevelt Nat'l Park	9,000	10,296	19,296
96	1) Bismarck/Mandan, 2) Grafton	29,584	32,685	62,269
97	Bismarck/Mandan Area	18,820	18,820	37,640
98	No Project	0	0	0
99	Cavalier County	7,185	7,185	14,370
00	Walsh, Pembina, Cavalier counties	8,324	8,324	16,648
01	Dunn, Mercer, McKenzie, Billings counties	52,444	53,000	105,444
02	No Project	0	0	0
03	McKenzie, Billings, Stark, Ramsey counties	28,617	28,617	57,234
04	Stark, Ramsey, Cass, Grand Forks counties	20,018	20,200	40,218
05	Stark County and Minot	17,247	--	--
	<b>TOTALS</b>	<b>\$232,328</b>	<b>\$220,693</b>	<b>\$435,774</b>

The North Dakota Geological Survey has completed a number of geologic mapping projects utilizing funding from the National Cooperative Geologic Mapping Program (STATEMAP). The timely completion of these projects was made possible by funding from this program. The majority of these projects have resulted in detailed geologic maps at a scale of 1:24,000. Geologic maps have been created for a number of urban areas in the state: Bismarck, Devils Lake, Dickinson, Jamestown, Grand Forks, and Fargo. Geologic hazards, such as landslides, and avoidance features, such as abandoned garbage dumps, gravel pits, abandoned underground coal mines, and gravel resources, were identified on these maps. Geologic maps of urban areas contain vital information for city engineers, developers, geotechnical consultants, aggregate companies, etc. Mapping projects in the Theodore Roosevelt National Park resulted in a geologic report and maps which are being utilized by Park personnel for management purposes and by Park visitors including hikers, bicyclists, etc. for recreational purposes. Several mapping projects in the northeastern corner of North Dakota resulted in the completion of a 1:100,000 scale mapping program of the flood-prone corridor of the Red River Valley. Recent mapping has focused on kaolinite-rich rocks in western North Dakota for brick manufacturing and urban mapping in the Minot area.